

03-29-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	PATENT APPLICATION
)	
Inventors: Wei Pan, Jer-shen Maa,)	
David R. Evans and Sheng)	
Teng Hsu)	
)	
Serial No.: Not Yet Assigned)	Attorney Docket No.
)	SLA 0493
Filed: Herewith)	
)	
Title: METHOD OF BARRIER METAL)	
SURFACE TREATMENT PRIOR)	
TO Cu DEPOSITION TO)	
IMPROVE ADHESION AND)	
TRENCH FILLING CHARACT-)	
ERISTICS)	

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"
UNDER 37 C.F.R. § 1.10**

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Date of Mailing: March 28, 2001

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Victoria A. Woods
Signature Date: March 28, 2001

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing is a patent application identified as follows:

Inventors: Wei Pan, Jer-shen Maa, David R. Evans
And Sheng Teng Hsu

Title: METHOD OF BARRIER METAL SURFACE TREATMENT
PRIOR TO Cu DEPOSITION TO IMPROVE ADHESION
AND TRENCH FILLING CHARACTERISTICS

No. of pages in Specification: 13 No. of Claims: 20

No. of sheets of Drawings: 2 Formal: , Informal: X

Also enclosed are:

- X A Declaration.
- X An Assignment and Recordation Form Cover Sheet.
- X Power of Attorney by Assignee.
- A certified copy of a priority application.
- A Verified Statement to establish small entity status.
- X An Information Disclosure Statement under 37 C.F.R. §1.56.

The filing fee pursuant to 37 C.F.R. §1.16 is determined as follows:

No. Filed	No. Extra		Rate Small Entity/ Other Than Small Entity	
Basic Fee			\$355.00 \$710.00	= \$ 710.00
Total Claims <u>20</u> - 20	<u>0</u>	X	\$ 9.00 \$18.00	\$ 000.00
Independent Claims <u>3</u> - 3	<u>0</u>	X	\$ 40.00 \$ 80.00	\$ 00.00
First Presentation of Multiple Dependent Claim(s)	(0)		\$135.00 \$270.00	\$ 00.00
			Total	\$ 710.00

- If the difference is less than zero, enter "0".

X Please charge Deposit Account No. 19-1457 in the amount of (\$ 750.00) to cover the filing fee (\$710.00) and assignment recording fee (\$40.00). A duplicate copy of this authorization is enclosed.

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X The Commissioner is hereby authorized to charge underpayment of any fees, (including those listed below), or credit any overpayment associated with this communication to Deposit Account No. 19-1457. A duplicate copy of this authorization is enclosed.

X Any additional filing fees under 37 C.F.R. § 1.16.

X Any patent application processing fees under 37 C.F.R. § 1.17.

Date:

March 28, 2001

Respectfully submitted,

By:

David C. Ripma
Reg. No. 27,672

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